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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.2570003APPLICATION NO.
09/666,890

APPLICANT

James L. Hartley

FILING DATE
September 20, 2000GROUP
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|-------------------|-------|-----------|-------------|
| SH | AA1 | 4,403,036 | 09/06/1983 | Hartley et al. | 435 | 317 | 12/02/1980 |
| | AB1 | 4,683,195 | 07/28/1987 | Mullis et al. | 435 | 6 | 02/07/1986 |
| | AC1 | 5,030,566 | 07/09/1991 | Son et al. | 435 | 91 | 01/04/1989 |
| | AD1 | 5,108,179 | 04/28/1992 | Myers | 356 | 344 | 08/09/1989 |
| | AE1 | 5,137,814 | 08/11/1992 | Rashtchian et al. | 435 | 91 | 06/14/1991 |
| | AF1 | 5,316,908 | 05/31/1994 | Carlson et al. | 435 | 6 | 07/13/1990 |
| | AG1 | 5,714,326 | 02/03/1998 | Dawson | 435 | 6 | 12/05/1994 |
| | AH1 | 5,834,201 | 11/10/1998 | Hartley | 435 | 6 | 07/11/1997 |
| | AI1 | 5,840,575 | 11/24/1998 | Hyman | 435 | 320.1 | 01/10/1997 |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| SH | AL1 | WO 91/18095 | 11/28/1991 | WIPO | | | Yes No |
| | AM1 | EP 0 466 404 A1 | 01/15/1992 | Europe | | | Yes No |
| | AN1 | WO 93/14224 | 07/22/1993 | WIPO | | | Yes No |
| | AO1 | WO 95/11971 | 05/04/1995 | WIPO | | | Yes No |
| | AP1 | EP 0 725 821 B1 | 07/15/1998 | Europe | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| SH | AR | 1 | Bethesda Research Laboratories Catalog, "Nucleic Acid Molecular Weight Standards," pp. 58-59, Life Technologies, Inc. (1985). |
| | AS | 1 | Boehringer Mannheim Biochemicals Catalog, "Alphabetical Index," p. A-10, Boehringer Mannheim (1992). |
| | AT | 1 | Boehringer Mannheim Biochemicals Catalog, "Molecular Weight Markers," p. 63, Boehringer Mannheim (1993). |

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| | AA | | | | | | |
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| | AC | | | | | | |
| | AD | | | | | | |
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| | AF | | | | | | |
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|---------------------|----|--------------------|------|---------|-------|---------------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|-----------|----|---|--|
| <i>SP</i> | AR | 2 | Boehringer Mannheim Biochemicals Catalog, "DNA Sizing Made Simple," BM Biochemica 9(6):1 and 7 (November 1992). |
| | AS | 2 | GIBCO BRL Catalogue and Reference Guide, "Nucleic Acid Molecular Size Standards," pp. 315-325, GIBCO BRL (1992). |
| | AT | 2 | Hartley, J.L., and Gregori, T.J., "Cloning multiple copies of a DNA segment," Gene 13:347-353, Elsevier/North-Holland Biomedical Press (1981). |

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3/01

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| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT | | ATTY. DOCKET NO. 0942.2570003 | APPLICATION NO. 09/666,890 | |
| | | APPLICANT James L. Hartley | | |
| | | FILING DATE September 20, 2000 | GROUP 1645 | |

U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|--|-----------------|------|------|-------|-----------|-------------|
| AA | | | | | | | |
| AB | | | | | | | |
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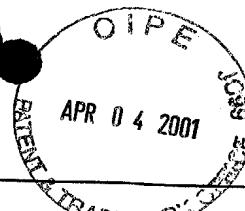
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|--|-----------------|------|---------|-------|-----------|-------------|
| AL | | | | | | | Yes No |
| AM | | | | | | | Yes No |
| AN | | | | | | | Yes No |
| AO | | | | | | | Yes No |
| AP | | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| SA | AR | 3 | Maniatis, T., et al., "Appendix A: Biochemical Techniques. Quantitation of DNA and RNA," in <i>Molecular Cloning: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, p. 468-469 (1982). |
| | AS | 3 | Mathew, M.K., et al., "High-Resolution Separation and Accurate Size Determination in Pulsed-Field Gel Electrophoresis of DNA. 1. DNA Size Standards and the Effect of Agarose and Temperature," <i>Biochem.</i> 27:9204-9210, American Chemical Society (1988). |
| | AT | 3 | Novagen Catalog, "Molecular Size Markers," pp. 4-5, and 115-117, Novagen (1997). |

| | | | |
|----------|----------------|-----------------|-------------|
| EXAMINER | <i>J. Horz</i> | DATE CONSIDERED | <i>3/01</i> |
|----------|----------------|-----------------|-------------|

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| | AA | | | | | | |
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| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|-----|----|---|---|
| SLH | AR | 4 | Sambrook, J., et al., "Staining DNA in Agarose Gels," in <i>Molecular Cloning: A Laboratory Manual</i> , 2nd Ed., p. 6.15, Cold Spring Harbor Laboratory Press (1989). |
| | AS | 4 | Sharp, P.A., et al., "Detection of Two Restriction Endonuclease Activities in <i>Haemophilus parainfluenzae</i> Using Analytical Agarose-Ethidium Bromide Electrophoresis," <i>Biochem.</i> 12:3055-3063, American Chemical Society (1973). |
| ✓ | AT | 4 | Stratagene Catalog, "Gene Characterization Kits," p. 39, Stratagene Corp. (1988). |

EXAMINER

John

DATE CONSIDERED

3/01

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